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(54) COOLER OF SUPERCHARGED ENGINE

(57)Abstract:

PURPOSE: To prevent the fall of the cooling efficiency of the radiator in the cooling system of a supercharged engine having an intercooler by providing an electric fan for the intercooler, and controlling the fan according to the temperatures of charging, outer air and the like.

CONSTITUTION: The air discharged from a compressor 4 of an exhaust turbo- charging 2 is cooled when passing through an intercooler 6 arranged in front of a radiator 7, before being supplied for an internal combustion engine 1 through a charging pipe 10. On doing this, when the signals from a charging temperature detector 18, a load detector 16 detecting the moving amount of the control rack of a fuel injection pump 15, and a cooling water temperature detector 17, show that the engine load or the temperatures of the charging and the cooling water are above given values, an electric fan 13 is started through a controller 14. This permits the temperatures of the charging and the cooling water to be kept below given allowable values even when the load is large, so that the engine performance is kept at a high level.

